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(FILE 'USPAT' ENTERED AT 15:51:36 ON 23 JUN 1997)

L1	5658	S	(PLURALITY OR MULTIPLE)	(3A)	INTERFAC?
L2	6158	S	(DEDICAT? OR SEPARAT? OR INDIVIDUAL?)	(3A)	INTERFAC?
L3	856	S	L1 AND L2		
L4	198	S	L1 (P) L2		
L5	37393	S	395/CLAS		
L6	283	S	L3 AND L5		
L7	60	S	L4 AND L5		
L8	74	S	L4/AB,CLM		
L9	3665	S	(DISTINCT OR RESPECTIVE)	(3A)	INTERFAC?
L10	162	S	L1 (5A) (PROGRAM? OR API)		
L11	77	S	L10/AB,CLM		
L12	112	S	L2 (5A) (PROGRAM? OR API)		
L13	20	S	L12/AB,CLM		
L14	26	S	L4 (P) (PROGRAM? OR API)		
L15	51	S	L5 AND L11		
L16	825	S	L9/AB,CLM		
L17	7	S	L16 (5A) (PROGRAM? OR API)		
L18	14	S	L14 AND L5		
L19	8	S	L13 AND L5		
L20	0	S	L4 (P) API		
L21	26	S	L3 AND API		
L22	4	S	L1 (6A) API		
L23	2	S	L2 (6A) API		
L24	42	S	L9 (5A) (PROGRAM? OR API)		
L25	26	S	L5 AND L24		
L26	3	S	L9 (6A) API		

US PAT NO: 4,720,784 [IMAGE AVAILABLE]

L18: 9 of 14

TITLE: Multicomputer network

US-CL-CURRENT: **395/287**; 364/228.7, 228.9, 229.1, 229.4, 232.9, 240,
240.5, 242.4, 242.5, 242.6, 242.7, 242.94, 242.95, 259,
259.9, 260.9, 270, 270.4, 280, 281, 281.1, 281.3, 281.6,
DIG.1

CLAIMS:

CLMS(1)

We . . .

said plurality of individual computers can be altered, for carrying out distributed computing, said distributed computing further comprises decomposing a **program** into a plurality of different modules that can be concurrently executed by said plurality of computers;

said multicomputer network comprising:

said . . .

to (F) of the bus controller will be used in the process of controlling the transmission of messages between said **plurality** of computers;

said **interface** means comprising a **plurality** of **interface** units equal in number to said plurality of said computers;

a **separate interface unit** being connected to respective separate one of said plurality of computers, the respective computer to which an interface unit. . . computers of the network in order to support different decompositions in distributed computing;

lock means for preventing unauthorized access, by application

programs running on the host computer of said interface unit, to said interconnection system;

control register means for setting the mode of. . .

US PAT NO:

A

5,361,336

[IMAGE AVAILABLE]

L18: 4 of 14

TITLE:

Method for controlling an instrument through a common
instrument programming interface

US-CL-CURRENT: **395/335**; 364/579; **395/970**

CLAIMS:

CLMS (5)

5. A system for performing input and output operations between an electronic instrument and a computer system through one of a ****plurality**** of types of ****interfaces**** used to connect said instrument to said computer system, wherein said method is independent of said ****plurality**** of types of ****interfaces****, said system comprising:
instrument ****programming**** interface means for receiving all input and output operation subroutine calls from a user ****program****;
a ****plurality**** of ****interface**** module means, one for each of said ~~****plurality**** of ****interface**** types;~~
~~configuration means, ****separate**** and independent from said instrument,~~
for providing an interface type and interface address of said instrument;
means for accessing said configuration means and for creating an instrument identification data structure;
means within said instrument ****programming**** interface means for using said instrument identification data structure to select one of said ****plurality**** of ****interface**** module means; and
means for performing said input and output operations using said selected interface module means.

US PAT NO: 4,999,771 [IMAGE AVAILABLE]
TITLE: Communications network

L17: 4 of 7

CLAIMS:

CLMS(4)

4. The method of claim 3 wherein:
each interface includes a ****respective**** ****interface**** memory containing
information identifying application ****programs**** to be executed by the
host processors in its associated group of the host processors, said
respective interface memories cooperating. . . .

US PAT NO: ★ 4,949,248 [IMAGE AVAILABLE]
TITLE: System for shared remote access of multiple application
programs executing in one or more computers

L17: 5 of 7

CLAIMS:

CLMS(11)

11. . . . respective operating system program and a respective local
area network driver program, a processor for executing the programs in
the ****program**** memory, and a ****respective**** ****interface**** to the local
area network, each of the client computers having at least a first memory
containing video data representing. . . . having a respective operating
system program and a respective network driver program, a processor for
executing the programs in the ****program**** memory, and a ****respective****
****interface**** to the local area network, the system comprising:
means in each server computer responsive to a change in the video. . . .

US PAT NO: 4,627,056 [IMAGE AVAILABLE]
TITLE: Check system for a control board

L17: 6 of 7

CLAIMS:

CLMS(1)

What . . .

and having a plurality of input/output terminals each connected to the
corresponding input/output connector of the control board through the
****respective**** ****interface**** and a control ****program**** for controlling
the actual operation of the apparatus in series, said microcomputer
including a line check program for checking an. . . .

US PAT NO: 4,523,310 [IMAGE AVAILABLE]
TITLE: Synchronous communications multiplexer

L17: 7 of 7

CLAIMS:

CLMS(2)

2. . . .
ones thereof being coupled to a corresponding one of said plurality of
communications lines;
a plurality of port interface means and ****programmable**** modem control

US PAT NO:

5,574,951 [IMAGE AVAILABLE]

L18: 2 of 14

TITLE:

System for providing a time division random access
including a high speed unidirectional bus and a
plurality of function cards connected in a daisy chain

US-CL-CURRENT: **395/865**; 364/228, 231.5, 241.1, 842, DIG.1;
395/856, **860**

DETDESC:

DETD(7)

Refer . . . 1. The output from high speed demultiplexor 23 on printed circuit strip lines 53 to 56 are connected to a **plurality** of ~~**individual** novel **interface** units 57~~ as shown. A fifth interface unit 57A is shown having a feedback input 58 and a clock input. . . differential bits on line 62 result from 20 bits presented on lines 53 to 56 plus 4 bits which are **programmed** internal to the IF's 57 from the systems bus to be described in more detail hereinafter. Each of the interface. . .

US PAT NO:

5,617,528 [IMAGE AVAILABLE]

L22: 1 of 4

TITLE:

Method and apparatus for interactively creating a card
which includes video and cardholder information

DETDESC:

DETD(476)

ODBC diminishes the need for software applications to utilize
multiple application programming **interfaces** (**API**). ODBC
provides a universal data access interface, allowing applications to
simultaneously access, view, and update data from multiple, diverse
databases.. . .

US PAT NO: 5,572,675 [IMAGE AVAILABLE]
TITLE: Application program interface

L22: 2 of 4

CLAIMS:

CLMS(11)

11. . . . signal processor, and a network interface (ACID) of an integrated services digital network (ISDN) supporting a plurality of services, said ****API**** comprising:
a first ****interface**** between said ****plurality**** of program modules (App1, App2, App3) and said API;
a second interface between said API and said ACID; and
a plurality of. . .

US PAT NO: 5,537,466 [IMAGE AVAILABLE]
TITLE: Intelligent communications networks

L26: 1 of 3

DETDESC:

DETD(3)

The SLEE 10 comprises a ****respective**** Application Programming ****Interface**** (****API****) process, 11a to 1n, for each of a plurality of Application Instances (constituting service defining means of the present invention),. . .

US PAT NO: 5,530,742 [IMAGE AVAILABLE]
TITLE: Intelligent communications networks

L26: 2 of 3

DETDESC:

DETD(3)

The SLEE 10 comprises a ****respective**** Application Programming ****Interface**** (****API****) process, 11a to 11n, for each of a plurality of Application Instances (constituting service defining means of the present invention),. . .

US PAT NO: 5,247,616 [IMAGE AVAILABLE]
TITLE: Computer system having different communications facilities
and data transfer processes between different computers

L26: 3 of 3

DETDESC:

DETD(7)

Considering . . . Corporation of Armonk, N.Y. Protocol machines 64 and 66 establish a high level communications protocol or software bridge between a ****respective**** application program ****interface**** (****API****) 60 or 62. In addition, a low level interface 61 or 63, respectively is included to permit a user to. . .

? ds

Set	Items	Description
S1	24	(FAMILY (2N) PROGRAMMING (2N) INTERFACE?)
S2	6	(PLURALITY OR MULTIPLE OR SEVERAL) (3N) FPI?
S3	7696	(PLURALITY OR MULTIPLE OR SEVERAL) (3N) INTERFACE?
S4	5060	(DISTINCT OR SEPARATE OR INDIVIDUAL) (3N) SERVICE?
S5	33	S3 AND S4
S6	1	S3 (S) S4
S7	0	S1 AND S5
S8	0	S1 AND S4
S9	208	S4 (S) INTERFACE?
S10	48	(SET? OR TYPE?) (S) S9
S11	0	((INPUT OUTPUT) OR (I O)) (S) S10
S12	0	((INPUT OUTPUT) OR (I O)) AND S10
S13	5	S10 (S) REQUEST?
S14	0	((INPUT OUTPUT) OR (I O)) (3N) SERVICE?
S15	4916	(SET (2N) SERVICE?)
S16	3672	(TYPE (2N) SERVICE?)
S17	324	TAILORED (5N) INTERFACE?
S18	93	S15 AND S16
S19	26	S15 (S) S16
S20	0	S17 AND S19
S21	0	S15 (S) S17
S22	0	S16 (S) S17
S23	7098	(SET (3N) SERVICE?)
S24	4594	(TYPE (3N) SERVICE?)
S25	40	S23 (S) S24
S26	1	S17 AND S25
S27	4	S17 AND S23
S28	1	S17 AND S24

27/K/1 (Item 1 from file: 275)
DIALOG(R)File 275:(c) 1997 Info Access Co. All rts. reserv.

... it had a lot of users, it eventually disappeared. Prodigy, which used a proprietary graphics **interface**, was **tailored** mainly for first-time computer users, and though it paved the way for a number...When AOL's audience was limited to Apple and Commodore 64 users, the developers could **set** up the **service** with the specifics of these computers' graphics capabilities in mind.

But when they extended the...

27/K/2 (Item 2 from file: 275)
DIALOG(R)File 275:(c) 1997 Info Access Co. All rts. reserv.

... and options for smoke/fire and floor water -- the new Industrial Environmental Monitor provides an **interface** that can be **tailored** to meet specific site and application requirements.

Sentry comprises seven software monitors built on a common **set** of core **services**, central database and user interface. The Sentry user interface provides access from DCL, character-ceil...

27/K/3 (Item 1 from file: 351)
DIALOG(R)File 351:(c)1997 Derwent Info Ltd. All rts. reserv.

...Abstract (Basic): of input output services provided through the operating system via service requests. The distinct programming **interfaces** are **tailored** to a type of input output **service** provided by each **set** of input output **services**

27/K/4 (Item 1 from file: 624)
DIALOG(R)File 624:(c) 1997 McGraw-Hill Co. Inc. All rts. reserv.

TEXT:

... subnetwork within a company's overall networking structure. Nodes comprising the backbone support a common **set** of **services**, which include electronic mail, translation services, and gateways.

Within the backbone network, all mail items...seen by the users of the backbone network. The user would interact with the local **interface** program, which is usually **tailored** to the particular machine. This **interface** then makes asynchronous requests to the UAE on the backbone node.

The distinguishing feature of...

13/9/1 (Item 1 from file: 275)
DIALOG(R) File 275:IAC(SM) Computer Database(TM)
(c) 1997 Info Access Co. All rts. reserv.

01857071 SUPPLIER NUMBER: 17499076
TCP/IP and UNIX. (UNIX Basics) (Technology Information) (Column) (Technical)
Collinson, Peter
SunExpert, v6, n9, p26(5)
Sep, 1995
DOCUMENT TYPE: Column Technical ISSN: 1053-9239 LANGUAGE: English
RECORD TYPE: Abstract

ABSTRACT: UNIX has played a large role in the development of TCP/IP, and several useful concepts and methodologies were developed under UNIX that helped TCP/IP become what it is. Internet Protocol (IP) offers only a connectionless datagram exchange between machines. Transmission Control Protocol (TCP) manages the flow of datagrams between two running processes. The socket **interface** is a **set** of system calls that can manage communication between processes running on different machines. Most UNIX systems use a phone the book-like file /etc/**services** to map **individual services** to ports so clients can find them. The inetd program launches applications in response to client **requests**, running in the background as a daemon. A 'tcp_wrapper' provides a minimal level of security by logging the origins of connection points

SPECIAL FEATURES: illustration; cartoon
DESCRIPTORS: Technology Overview; TCP/IP; UNIX
SIC CODES: 7372 Prepackaged software
FILE SEGMENT: CD File 275

13/K/1 (Item 1 from file: 275)
DIALOG(R) File 275:(c) 1997 Info Access Co. All rts. reserv.

...ABSTRACT: Transmission Control Protocol (TCP) manages the flow of datagrams between two running processes. The socket **interface** is a **set** of system calls that can manage communication between processes running on different machines. Most UNIX systems use a phone the book-like file /etc/**services** to map individual services to ports so clients can find them. The inetd program launches applications in response to client **requests**, running in the background as a daemon. A 'tcp...

13/K/2 (Item 1 from file: 351)
DIALOG(R) File 351:(c)1997 Derwent Info Ltd. All rts. reserv.

X ...Abstract (Basic): to access several separate sets of input output services provided through the operating system via **service requests**. The **distinct** programming **interfaces** are tailored to a **type** of input output service provided by each **set** of input output services...

13/K/3 (Item 1 from file: 674)
DIALOG(R) File 674:(c) 1997 IDG Communications. All rts. reserv.

Text:

... management vendors need to make their software more flexible and intuitive. Adoption of a common **interface** and programming language - say something like a World-Wide Web browser and Sun Microsystems, Inc...

... systems, notably legacy ones such as Novell, Inc.'s NetWare; and broad accommodation of alternative **interfaces**, such as voice and other sensory input. To create this rosy scenario, Microsoft must deliver...

... and then stay on track with subsequent, increasingly sophisticated releases. The operating system and graphical **interface** are already melding. Soon Microsoft needs to blend the operating environment and the desktop management...

... server-to-server communications, the Lightweight DAP for server-to-client ties and the Directory **Service** Protocol, which synchronizes **separate** directories. This should be extended to synchronize the name spaces of other vendors' NOS products...to the desktop, but we can get better and better with it. (Desktop users) might **set** parameters, but there's no way you could guarantee that those would actually be met...

... Inc. in Washington, D.C. ``People tend to think of QoS as selecting bandwidth and **setting** up a phone call. But that's only part of it,''
Dzubeck says. QoS also...

... an increasingly multivendor one, rife with a lot of movement and mobility. The ability to **set** up VLANs makes this environment easier to dwell in, but vendors to date have been...

... we would gain from (the switch addressing method) is now we have a very small **set** of addresses that we're dealing with, and therefore, we can switch them very, very...

... this milestone. Several leading private branch exchange makers already are slated to come out with **interfaces** that will let users replace voice tie lines with ATM circuit emulation. This technique uses ATM...

... country to another office. Or you activate the transfer or conference feature on your telephone **set**. They're routine today with conventional telephony. But with a voice-over-ATM implementation, even...ll be able to sit down with carrier reps, negotiate any price at all and **set** it in stone for a number of months or years. In fact, if recent developments...

... would to actually provide it. ``For casual transactions, you don't want to have to **set** up accounts all over the place," Gibbs says. ``There needs to be a cost-effective...

... must agree on a standard encryption/authentication technology and let a couple of central clearinghouses **set** up shop. They also must offer the same guarantees against consumer liability for fraudulent use...the merchandise will be delivered to your home or office as specified, within whatever timetable **requested**.

13/K/4 (Item 2 from file: 674)
DIALOG(R)File 674:(c) 1997 IDG Communications. All rts. reserv.

Text:

...voice, data and videoconferencing applications with quality levels that meet the needs of each traffic type. The Internet Engineering Task Force is working on a standard, called the Resource Reservation Protocol (RSVP), that would make it easier to build integrated networks that meet the distinct service needs of different traffic categories. The group expects to finalize the specifications for this resource-reservation **setup** protocol by the end of the summer. In order for an integrated network to succeed...

... In general, multimedia applications can be divided into available, constant and variable bit-rate traffic **types**. QoS techniques define ways for these different traffic **types** to share paths harmoniously within an internetwork. Polite application interfaces Applications will invoke RSVP to request a specific QoS for a datastream, rather than just presenting the traffic to the network...

... the latter is called filter specification. Different groups and vendors are now developing application program **interfaces** (API) that will support RSVP. For example, the Windows Sockets Forum is including parameters for...

... the flow specification sent by the application to determine if the network can guarantee the **requested** QoS. The device's will need RSVP signaling, a resource utilization database and admission control software. RSVP signaling lets switches and routers forward the application **request** along the route the packets will take. The packets will be able to take advantage...

... all QoS commitments so the network does not become oversubscribed. Admission control lets network managers **set** RSVP parameters. For example, a network manager could specify that during the day, 30% of...

... at night, 90% could be available. The admission control logic will only grant RSVP application **requests** when the network load permits it. If the network cannot meet an application's flow...

... and billing systems, so users could be charged according to the quality of service they **requested** and received. RSVP can work with any network protocol, including AppleTalk, IP, IPX, Systems Network...

Text:

...Network contract, which is worth about \$300 million annually to service provider AT&T, is **set** to expire in February, so the Defense Information Systems Agency (DISA) is planning for its replacement. DISA is preparing **requests** for proposal for a comprehensive voice, video, dedicated line and multimedia **service**, as well as **individual** contracts for videoconferencing and wireless services. The RFPs are expected to go out later this...

... Corp. will unveil Extended Industry Standard Architecture- and MicroChannel-bus and PCMCIA ISDN Basic Rate **Interface** terminal adapters by midyear, a company spokesman said last week. The so-called SOHO Connect...

... a separate, stand-alone access device. The company also plans to unveil ISDN Primary Rate **Interface** cards for servers, the spokesman said, though pricing for those products has not been determined...

... month to ship a two-channel ISDN personal computer card that includes the NT-1 **interface** and enables voice and data calls to be carried simultaneously over the two Basic Rate **Interface** B channels. The user plugs a standard analog telephone headset or handset into the PC...

6/5,K/1 (Item 1 from file: 351)
DIALOG(R)File 351:DERWENT WPI
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011033759

WPI Acc No: 97-011683/199701

XRPX Acc No: N97-010248

Computer system for handling input output requests for services - has bus and memories for data and programming instructions with applications and operating system run by CPU coupled to bus by executing programming instructions, application has distinct interfaces for accessing I/O services

Patent Assignee: APPLE COMPUTER INC (APPY)

Inventor: KNIGHT H N; MERETSKY W N; MIMMS A B; SUTTON C D

Number of Countries: 069 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9635171	A1	19961107	WO 96US6316	A	19960503	G06F-013/10	199701 B
AU 9657271	A	19961121	AU 9657271	A	19960503	G06F-013/10	199711
EP 769172	A1	19970423	EP 96915510	A	19960503	G06F-013/10	199721
			WO 96US6316	A	19960503		

Priority Applications (No Type Date): US 95435677 A 19950505

Cited Patents: 3. journal ref.

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
WO 9635171	A1	E	33				
Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN							
Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG							
AU 9657271	A			Based on		WO 9635171	
EP 769172	A1	E		Based on		WO 9635171	
Designated States (Regional): DE FR GB							

Abstract (Basic): WO 9635171 A

The computer system includes a bus and one or more memories coupled to the bus for storing data and programming instructions that include applications and an operating system. A processing unit is coupled to the bus and runs the operating system and applications by executing programming instructions.

An application has **several** distinct programming **interfaces** available to access **several** separate sets of input output services provided through the operating system via **service** requests. The **distinct** programming interfaces are tailored to a type of input output service provided by each set of input output services.

ADVANTAGE - Provides services and an environment in which to run those services tuned to specific device needs and requirements.

Dwg.0/8

Derwent Class: T01

International Patent Class (Main): G06F-013/10

File Segment: EPI

Manual Codes (EPI/S-X): T01-H05B

...Abstract (Basic): An application has **several** distinct programming **interfaces** available to access **several** separate sets of

input output services provided through the operating system via
service requests. The **distinct** programming interfaces are
tailored to a type of input output service provided by each set...